

IN THE CLAIMS

178. (Original) A computer controlled display system, comprising:

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a flat panel display having a display surface and an input for receiving display data to be displayed on said display surface;

a moveable assembly coupled mechanically to said flat panel display, said moveable assembly having a cross-sectional area which is substantially less than an area of said display surface, said moveable assembly being moveable to allow said flat panel display to be selectively positioned in space relative to a user of said computer controlled display system;

a base coupled mechanically to said moveable assembly and to said flat panel display through said moveable assembly, said base housing computer components comprising a microprocessor, a memory, a bus, an I/O (input/output) controller, and an I/O port, wherein said microprocessor is coupled to said input of said flat panel display; and

a counter-balancing spring assembly housed within said moveable assembly, said spring assembly having a proximal end coupled with a biscuit of a display mounting assembly and a distal end coupled with a biscuit of a base rotation assembly.

179. (Original) The system of claim 178, further comprising:

a compression link housed within said moveable assembly, said compression link having a proximal end coupled with the biscuit of the display mounting assembly and a distal end coupled with the biscuit of the base rotation assembly.

180. (Original) The system of claim 178 wherein the moveable assembly further comprises:

a first canoe having a proximal end and a distal end coupled with a corresponding second canoe having a proximal end and distal end.

181. (Original) The system of claim 178 wherein the spring assembly further comprises:

a spring core having a proximal end, a distal end, a top surface, a bottom surface, and side surfaces, the spring core having a pair of channels running longitudinally along its side surfaces and having an annular flange formed at said proximal end to mate with a first end of a spring, wherein the spring core is slidably disposed within an interior of the spring;

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a pair of spring struts having corresponding proximal ends and distal ends, said proximal ends each containing a bore therethrough, and bowed outward to form a pair of forked members defining a channel therebetween, said distal ends each having an outwardly flared portion to mate with a second end of the spring, wherein the pair of spring struts is disposed within said corresponding pair of channels; and

a corresponding pair of glide bearings coupled with said pair of spring struts.

182. (Original) A system as in claim 181 wherein said base houses computer components further comprising an optical drive and a network interface and wherein said cross-sectional area is defined by a cross-section taken perpendicularly to a longitudinal dimension of the moveable assembly.

183. (Original) A system as in claim 182 wherein said system is moveable as a unit by one person unaided by any assistance.

184. (Original) A system as in claim 178, further comprising:

a data cable coupled to said input of said flat panel display at a first end of said data cable and coupled to a display controller housed within said base, said data cable being disposed within said moveable assembly.

185. (Original) A system as in claim 178 wherein said base is not fixedly secured to a supporting surface under said base.

186. (Original) A system as in claim 178 wherein said base has a toroidal shape.
187. (Original) A system as in claim 178 wherein said base has a square shape.
188. (Original) A system as in claim 178 wherein said base has a pyramidal shape.
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197. (New) A system as in claim 178 wherein said counter-balancing spring assembly supports a weight of said flat panel display such that said flat panel display feels substantially weightless when moved.
198. (New) A system as in claim 178 wherein a potential energy stored in said counter-balancing spring assembly is released to provide an ease of movement for said flat panel display.
199. (New) A system as in claim 178 wherein a compression of said counter-balancing spring assembly stores energy that may be used to assist a user to move said flat panel display.
200. (New) A system as in claim 178 wherein said counter-balancing spring assembly is adjustable to control an amount of stored energy for supporting a range of flat panel display weights.
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